

# Index to Volume 12

## Author Index

- Abed, Y., 951  
Abramowicz, D., 740  
Acar, J.F., S210  
Aguado, José M., 1019  
Agwanda, R., S1035  
Aharoni, Ariel, 273  
Ahmad, Syed Azhar, S907  
Ahmed, Laila, 330  
Ajello, Libero, 778  
Alam, Ashraful, S899, S982  
Aldridge, K.E., S210  
Alessandri, Nicola, 250  
Alford, Charles A., S745  
Alford, Robert H., 236  
Allain, Jean-Pierre, S522  
Allen, S.D., S210  
Allende, Luis, 297  
Almiron, Marta A., S998  
Alpers, Michael P., S1001, S1006  
Alvarez, Maritza, S24  
Ampel, Neil M., 1004  
Anda, P., 745  
Andrews, R.J., S276  
Andriole, Vincent T., S281  
Anthonie, Roland, 1052  
Anthonie, Sidney, 1052  
Anwar, Farzal, S907  
Aoki, Shizuko, S307  
Aoun, M., S364  
Arbiza, J.R., S995  
Arditi, Moshe, 367  
Armstrong, Donald, 380  
Arribas, J.R., 563  
Asperilla, Marianito O., 873  
Aswapokee, Naline, 136  
Athipanyakom, Suthi, S957  
Atkinson, William, 768  
Aucott, John N., 406  
Avendaño, Pablo, S51  
Avila, Maria, S889, S974, S1021, S1074  
Azad, A.K., S889  
Babinet, P., 370  
Babudieri, S., S152  
Bacher, John, S307  
Bachmayer, Helmut, S483  
Back, Stephen A., 784  
Baes, Lerma, S929  
Bailey, Theodore M., 5  
Baird, Robert W., 432  
Baker, Carol J., S463, S476  
Bale, Judith R., S861  
Balfour, Henry H., Jr., S849  
Band, Jeffrey D., 423  
Banwell, John G., S30  
Baquero, Fernando, S157  
Barbhaiya, Rashmi, S570  
Barnes, Robert C., S645  
Baron, Patricia A., S483  
Barquet, Nicolau, 838  
Barry, A.L., S210  
Barthel, James S., S107  
Bartlett, John G., S243  
Bartter, Thaddeus, 1204  
Bedoya M., Alvaro, S950  
Behrman, Rachel E., 181  
Beltangady, Mohan, S570  
Beltran, Gerardo L., S1081  
Benitez, A., S966  
Bennett, John E., S263  
Benny, W. Barrett, 1100  
Berger, Melvin, S391, S401, S443, S498  
Bergerat, J.P., 371  
Berk, Steven L., 267  
Best, Bronwyn, S1006  
Bierer, Douglas Ws., S3  
Bishai, E., 963  
Bjark, Per, 973  
Bjornson, Ann B., S161  
Black, Robert E., S73  
Blaser, Martin J., S99  
Blevins, Douglas D., 736  
Bodey, Gerald P., S369, S997  
Bordes, Ramón, 297  
Borrero H., Isabella, S950  
Borriello, S.P., S185  
Böttiger, Margareta, 708  
Bourgault, A.-M., S210  
Bowden, Raleigh, 824  
Brammer, K.W., S318  
Brandely, M., 370  
Brayman, Kenneth, S827  
Breuil, J., 364  
Britt, William J., S745  
Broder, Samuel, S513, S522  
Brodeur, Bernard R., 75  
Bronze, Michael S., 432  
Brouwers, Pim, S522  
Brown, June M., 778  
Brown, Richard B., 483  
Brown, Stephen T., III, 653  
Bruggeman, Cathrien A., 367  
Brummer, Elmer, S304  
Brunham, Robert C., 479  
Bruun, Johan N., 973  
Bryan, Joe P., 128  
Bryce, Graham, 277  
Bryson, Yvonne J., 788  
Bucher, Bernard, 890  
Buisson, C. Brun, 157  
Bunyaratbandu, Porapan, S957  
Burgio, Vito L., 570  
Burnat, C., 364  
Burney, M.I., S907  
Burns, William H., S793  
Buskila, Dan, 223  
Bussel, James B., S457  
Butler, Thomas, S899, S982  
Cáceres, Patricia, S1029  
Cadafalch, Josep, 297  
Cairo, Mitchell S., S492  
Calhoun, Jason H., 468  
Campbell, Suzanne W., 380  
Campos, Jose, 75  
Canepa, E., S995  
Canetta, Renzo, S570  
Cano, Floridama, S1029  
Caranassos, George J., 591  
Carballal, Guadalupe, S889, S974, S1074  
Carmona, Fabio, S950  
Carpenter, John L., 672  
Carreiro, Shirley, 993  
Carter, Bruce L., 1203  
Caruso, Eduardo, S998  
Casadevall, Arturo, 964  
Catalano, Mariana, S889, S998, S1074  
Cates, Willard, Jr., S577  
Cernoch, Patricia, 760  
Cerqueiro, M. Cristina, S889, S974, S1021, S1074  
Champlin, Richard E., S776  
Chan, Joseph C., 802  
Chang, Te-Wen, S57  
Chantarojanasiri, Teerachai, S923, S988  
Charles, Terry T., S16  
Cherry, James D., 1044  
Chia, John K.S., 387, 636  
Chiparelli, H., S995  
Chou, Sunwen, S727  
Christiaens, D., 370  
Christopher, George W., 1203  
Cisneros, Ronald L., S169  
Clapp, D. Wade, S443  
Clark, Rebecca A., 768  
Clarke, John T., 514  
Coakley, Christine, S1006  
Coats, Marion, S303  
Coburn, Kenneth, 602  
Cohen, Lee M., 1044  
Coleman, David L., 41  
Conly, John M., 1109  
Conrad, Steven A., 1035  
Contera, M., S966  
Conway, Brian, 479  
Cook, Roger L., 856  
Cooley, Timothy P., S552  
Coolidge, Jo Anna Stina, 708

# Index to Volume 12

## Author Index

- Abed, Y., 951  
Abramowicz, D., 740  
Acar, J.F., S210  
Aguado, José M., 1019  
Agwanda, R., S1035  
Aharoni, Ariel, 273  
Ahmad, Syed Azhar, S907  
Ahmed, Laila, 330  
Ajello, Libero, 778  
Alam, Ashraful, S899, S982  
Aldridge, K.E., S210  
Alessandri, Nicola, 250  
Alford, Charles A., S745  
Alford, Robert H., 236  
Allain, Jean-Pierre, S522  
Allen, S.D., S210  
Allende, Luis, 297  
Almiron, Marta A., S998  
Alpers, Michael P., S1001, S1006  
Alvarez, Maritza, S24  
Ampel, Neil M., 1004  
Anda, P., 745  
Andrews, R.J., S276  
Andriole, Vincent T., S281  
Anthonie, Roland, 1052  
Anthonie, Sidney, 1052  
Anwar, Farzal, S907  
Aoki, Shizuko, S307  
Aoun, M., S364  
Arbiza, J.R., S995  
Arditi, Moshe, 367  
Armstrong, Donald, 380  
Arribas, J.R., 563  
Asperilla, Marianito O., 873  
Aswapokee, Naline, 136  
Athipanyakom, Suthi, S957  
Atkinson, William, 768  
Aucott, John N., 406  
Avendaño, Pablo, S51  
Avila, Maria, S889, S974, S1021, S1074  
Azad, A.K., S889  
Babinet, P., 370  
Babudieri, S., S152  
Bacher, John, S307  
Bachmayer, Helmut, S483  
Back, Stephen A., 784  
Baes, Lerma, S929  
Bailey, Theodore M., 5  
Baird, Robert W., 432  
Baker, Carol J., S463, S476  
Bale, Judith R., S861  
Balfour, Henry H., Jr., S849  
Band, Jeffrey D., 423  
Banwell, John G., S30  
Baquero, Fernando, S157  
Barbhaiya, Rashmi, S570  
Barnes, Robert C., S645  
Baron, Patricia A., S483  
Barquet, Nicolau, 838  
Barry, A.L., S210  
Barthel, James S., S107  
Bartlett, John G., S243  
Bartter, Thaddeus, 1204  
Bedoya M., Alvaro, S950  
Behrman, Rachel E., 181  
Beltangady, Mohan, S570  
Beltran, Gerardo L., S1081  
Benitez, A., S966  
Bennett, John E., S263  
Benny, W. Barrett, 1100  
Berger, Melvin, S391, S401, S443, S498  
Bergerat, J.P., 371  
Berk, Steven L., 267  
Best, Bronwyn, S1006  
Bierer, Douglas Ws., S3  
Bishai, E., 963  
Bjark, Per, 973  
Bjornson, Ann B., S161  
Black, Robert E., S73  
Blaser, Martin J., S99  
Blevins, Douglas D., 736  
Bodey, Gerald P., S369, S997  
Bordes, Ramón, 297  
Borrero H., Isabella, S950  
Borriello, S.P., S185  
Böttiger, Margareta, 708  
Bourgault, A.-M., S210  
Bowden, Raleigh, 824  
Brammer, K.W., S318  
Brandely, M., 370  
Brayman, Kenneth, S827  
Breuil, J., 364  
Britt, William J., S745  
Broder, Samuel, S513, S522  
Brodeur, Bernard R., 75  
Bronze, Michael S., 432  
Brouwers, Pim, S522  
Brown, June M., 778  
Brown, Richard B., 483  
Brown, Stephen T., III, 653  
Bruggeman, Cathrien A., 367  
Brummer, Elmer, S304  
Brunham, Robert C., 479  
Bruun, Johan N., 973  
Bryan, Joe P., 128  
Bryce, Graham, 277  
Bryson, Yvonne J., 788  
Bucher, Bernard, 890  
Buisson, C. Brun, 157  
Bunyaratbandu, Porapan, S957  
Burgio, Vito L., 570  
Burnat, C., 364  
Burney, M.I., S907  
Burns, William H., S793  
Buskila, Dan, 223  
Bussel, James B., S457  
Butler, Thomas, S899, S982  
Cáceres, Patricia, S1029  
Cadafalch, Josep, 297  
Cairo, Mitchell S., S492  
Calhoun, Jason H., 468  
Campbell, Suzanne W., 380  
Campos, Jose, 75  
Canepa, E., S995  
Canetta, Renzo, S570  
Cano, Floridama, S1029  
Caranassos, George J., 591  
Carballal, Guadalupe, S889, S974, S1074  
Carmona, Fabio, S950  
Carpenter, John L., 672  
Carreiro, Shirley, 993  
Carter, Bruce L., 1203  
Caruso, Eduardo, S998  
Casadevall, Arturo, 964  
Catalano, Mariana, S889, S998, S1074  
Cates, Willard, Jr., S577  
Cernoch, Patricia, 760  
Cerqueiro, M. Cristina, S889, S974, S1021, S1074  
Champlin, Richard E., S776  
Chan, Joseph C., 802  
Chang, Te-Wen, S57  
Chantarojanasiri, Teerachai, S923, S988  
Charles, Terry T., S16  
Cherry, James D., 1044  
Chia, John K.S., 387, 636  
Chiparelli, H., S995  
Chou, Sunwen, S727  
Christiaens, D., 370  
Christopher, George W., 1203  
Cisneros, Ronald L., S169  
Clapp, D. Wade, S443  
Clark, Rebecca A., 768  
Clarke, John T., 514  
Coakley, Christine, S1006  
Coats, Marion, S303  
Coburn, Kenneth, 602  
Cohen, Lee M., 1044  
Coleman, David L., 41  
Conly, John M., 1109  
Conrad, Steven A., 1035  
Contera, M., S966  
Conway, Brian, 479  
Cook, Roger L., 856  
Cooley, Timothy P., S552  
Coolidge, Jo Anna Stina, 708

- Cooper, K., S267  
 Cornick, Nancy A., S9, S21  
 Cote, Richard J., 380  
 Crabb, Joseph H., S169, S178  
 Craddock, James, S513  
 Crane, John, S41  
 Crisostomo, Angela U., S1081  
 Cross, Anne, S570  
 Crow, Sue D., 1035  
 Cruz, Jose R., S1029  
 D'Angelo, Denis, 683  
 Dabernat, Henri, 75  
 Daggett, Pierre-Marc, 490  
 Dan, Michael, 537, 1205  
 Daniels, Joan B., 564  
 Dascal, Andre, 1204  
 Daschner, Franz D., 12  
 Dassey, David E., 159  
 Davey, Richard T., Jr., 912  
 Davies, H.A., S185  
 Davis, John R., 1004  
 Dayrit, Manuel, S940  
 de Borrero, Melba F., S950  
 de Leon, Lilian E., S929, S940  
 de Fernández, América, S1029  
 de la Cabada, F. Javier, S64  
 de la Vega, Sergio Lazo, 960  
 de Oteiza, Jaime Pérez, S157  
 de Silva, Hagamenon Rodrigues, 128  
 DeFreitas, Elaine C., 890  
 del Rio, Carlos, 282  
 del Carmen Morante, Maria, S24  
 Deleon, C., S915  
 Denning, David W., S380, 1147  
 DeVault, George A., Jr., 653  
 Devlin, H.R., 440  
 Di Rosa, R., S152  
 DiNubile, Mark J., 112, 717  
 Dolin, Raphael, S540  
 Domingo, Pere, 297, 838  
 Dominguez, A., 563  
 Dong, Mei-Yan, S57  
 Donnelly, Brian W., 729  
 Drew, Richard H., 308  
 Drobnić, Ludvik, 518  
 Dronda, Fernando, S157  
 DuBlanchet, A., 364  
 Dummer, J. Stephen, S767  
 Dunkle, Lisa, S570  
 Dupont, Bertrand, S338  
 DuPont, Herbert L., S64  
 Ebekian, Beatriz, S974  
 Eberhardt, Reinhild, S115  
 Eckman, Mark R., S380  
 Eddy, Hugh, 286  
 El Rooby, Abushady, 330  
 Elcuaz, Rosa, 838  
 Elfenbein, Gerald J., S805  
 Ellner, Jerrold J., 20  
 Elting, Linda, 997  
 Enrico, P., S152  
 Erice, Alejo, S157  
 Ericsson, Charles D., S16, S64  
 Eskerud, Jens R., 359  
 Estreich, S., 159  
 Etorena, P., S966  
 Evans, Dolores G., S68  
 Everett, E. Dale, S107  
 Eykyn, Susannah J., 1008  
 Fajardo P., Luis, S950  
 Farid, Z., 963  
 Farrerons, Jordi, 297  
 Farrow, P.R., S318  
 Faulkner, J.K., S318  
 Fayen, John, 406  
 Feng, Hui-Min, 562  
 Fernández, Javier, S157  
 Fernandez-Larsson, Roberto, 1139  
 Fernandez-Patiño, M.V., 745  
 Fernández-Roblas, Ricardo, 1019  
 Ferrieri, Patricia, S394  
 Fidalgo, Santos, 520  
 Finberg, Robert, S169, S178  
 Finegold, Sydney M., 1, 569, S223  
 Fisch, A., 364  
 Fischer, Gerald W., S483  
 Fishbein, Gary, 784  
 Fisher, John E., 1052  
 Flynn, James M., 125  
 Folgueira, M.D., 563  
 Forster, G.E., 159  
 Francis, J. Boyd, 736  
 Fredericksen, Wilhelm, 75  
 Frenkel, Lawrence D., S820  
 Friedlander, Walter J., 191  
 Friedman, Harvey M., 368, S827  
 Friedman, J.B., 951  
 Frogel, Michael, 303  
 Fuchs, P.C., S210  
 Fyfe, Billie, 993  
 Galaid, Edward I., S656  
 Galgiani, John N., S272, S380  
 Gallagher, Patrick G., 403, 808  
 Gallis, Harry A., 308, 583, 829  
 Garavelli, Pietro Luigi, 158  
 Garcés, José M., 518  
 Garcia, Julian A., 959  
 Garcia-Prats, Joseph A., S463  
 García-Rodríguez, J.A., S142  
 García-Sánchez, J.E., S142  
 Garewal, Harinder S., 1004  
 Garg, S.P., 560  
 Gasser, Isabel, 838  
 Gatell, Josep M., 718  
 Gaur, Sunanda, S820  
 Gedde-Dahl, Truls W., 359, 973  
 Geiger, Jack, 375  
 Gelder, Frank B., 1035  
 Gentile, Guiseppe, 250, 611  
 Gerard, M., S364  
 Gerlach, E.H., S210  
 Ghafoor, Abdul, S907  
 Gilbert, D.N., 118  
 Gilman, Robert H., S24  
 Gimeno, Juan L., 518  
 Ginsberg, G., 951  
 Girgis, N.I., 963  
 Girmenia, Corrado, 250, 611  
 Gladman, Dafna, 223  
 Glaser, Jordan B., 683  
 Gloser, Harold P., S483  
 Gloster, Elizabeth, 303  
 Goedert, Theresa M., S805  
 Goetz, Matthew B., 561, 813  
 Golan, David, 273  
 Gold, Jonathan W.M., 380  
 Goldin, Barry R., S252  
 Goldsand, George, 900  
 Gomez, Ma. Lourdes O., S1065, S1081  
 Gonczol, Eva, S827  
 Gonzaga, Normando C., S1055, S1065  
 Gopalakrishna, K.V., 20  
 Gorbach, Sherwood L., S1, S9, S21, S57, S252  
 Gould, Edwin W., 802  
 Gradon, Jeremy D., 716  
 Graham, David Y., S68  
 Graham, Donald R., 423  
 Graham-Pole, John, S805  
 Granger, Donald, 959  
 Granoff, Dan M., 75, S1017  
 Gransden, W.R., 1008  
 Graybill, John R., S286, S380  
 Greer, Donald, 768  
 Grieshaber, Charles K., S513  
 Griffith, Lou, S286  
 Grimm, H., S210  
 Groopman, Jerome E., 908, 931, S500  
 Gross, Samuel A., S805  
 Grossnicklas, Hans, 406  
 Grundy, Jane E., S711  
 Gryboski, Joyce D., S36  
 Guarnaccia, Joseph, 628  
 Guerrant, Richard L., S41  
 Guterma, Howard, 683  
 Gutman, Ruth, 537  
 Gwinup, Grant, 784  
 Gyorkey, Ferenc, 286  
 Haake, David A., 788  
 Haake, Deborah L., 788  
 Hackman, Robert, 824  
 Hager, Hans L., 267  
 Haider, Rukhsana, S982  
 Halac, Alicia, S1021  
 Hall, G.S., S210  
 Hall, Wendell H., 1060  
 Halliday, William C., 479  
 Halula, Madelon, S235  
 Hamel, Josee, 75  
 Hamill, Richard J., 286  
 Hammond, Gregory, 75  
 Handwerker, Sandra, 602  
 Hanson, Linda H., S380

- Haque, Mahmudul, S982  
 Harisiadi, Julia, S889, S998  
 Harris, Richard L., 760  
 Hartman, Neil R., S522  
 Hassan, Fuad, 802  
 Hay, R.J., S334  
 Hecht, Robert M., 375  
 Hedberg, Maria, S231  
 Heizmann, W., S210  
 Heller, Richard F., 136  
 Hemming, Val G., S470, S483  
 Herbrecht, R., 371  
 Hibbert, S.A., S294  
 Hicks, Carl A., 468  
 Hicks, Charles B., 754  
 Hill, Gale B., S200  
 Ho, Monto, S701  
 Ho, Winston G., S776  
 Hochster, Howard, S534  
 Hofstad, Tor, S122  
 Høiby, E. Arne, 75, 359, 973  
 Hollis, Dannie G., 423  
 Horowitz, Harold, 602  
 Hortal, M., S915, S966, S995  
 Høst, Jan H., 973  
 Hoth, Daniel, S513  
 Hotrakitya, Satit, S923  
 Howell, Renee, S820  
 Hucker, John A., 1203  
 Hughes, James M., S41  
 Huq, Farida, S899, S982  
 Hutchison, Florence, 618  
 Hutson, Duane, 802  
 Hyma, Bruce A., 993  
 Hyslop, Newton, 768  
 Illarramendi, A., S995  
 Ingram, Christopher W., 959  
 Ishaq, Zahid, S907  
 Islam, Motiul, S899  
 Istre, Gregory R., 628  
 Ivey, Frank M., 468  
 Izquierdo, Gloria, 817  
 Jacobs, F., 740  
 Jarvis, William R., 778  
 Javato, Marivyl C., S929  
 Jayanetra, Panida, S957  
 Jeffers, Lennox J., 802  
 Johansen, Kirsten Staehr, 12  
 Johns, David G., S522  
 Johnson, Michael P., 173  
 Johnson, P.C., S64  
 Johnson, Steven C., 754  
 Johnston, Richard B., Jr., S392  
 Jones, R.N., S210  
 Jónsdóttir, Kristin E., 75, 708  
 Joseph, Benetty, S1006  
 Joseph, John A., S349  
 Judd, Randy L., 282  
 Kabeer, Mustafa, 75  
 Kallianos, John, 829  
 Kallings, Ingegerd, 75  
 Kamiya, S., S185  
 Kantakamalakul, Wannee, S988  
 Kantawateera, Pakanee, S988  
 Kaplan, Mark, 303  
 Karl, Cynthia, S369  
 Kasper, Dennis L., 375, S121, S169, S178  
 Kasper, Gerhard, S115  
 Kass, Robert E., 375  
 Kassem, M. Ibrahim, 330  
 Kato, Midori, 960  
 Kelley, Susan L., S552, S570  
 Kennedy, Charles A., 561, 636, 813  
 Kesarwala, Hemant, S820  
 Khan, Waheed N., 75  
 Khardori, Nancy, 997  
 Kilian, Mogens, 75  
 Killgore, George E., 967  
 Kilpatrick, M.E., 963  
 Kim, Jerome H., 583  
 King, John W., 653, 1035  
 Kinney, Janet, S421  
 Kirklín, James K., 820  
 Klein, Jerome O., 375  
 Klein, Russell A., S380  
 Kliegman, Robert M., S391, S443, S498  
 Kliks, Michael M., 161  
 Knirsch, Anthony K., S349  
 Knouse, Mark C., 393  
 Knowles, Kathleen, 75  
 Knupp, Catherine, S540, S570  
 Kobayashi, G.S., S291  
 Kocoshis, Samuel, S36  
 Kolokathis, Antonia, 602  
 Kommareddy, Sumithra, S492  
 Komshian, Shahe V., 693  
 Koo, Joseph, 161  
 Koornhof, H.J., 75  
 Korner, Bent, 416  
 Kositanont, Uraiwan, S988  
 Kozlowski, Steven, 399  
 Kraus, Stephen J., S620  
 Krilov, Leonard R., 303  
 Kroll, J. Simon, 75  
 Kumar, A., 440  
 Kunches, Laureen M., S552  
 Kunin, Calvin M., 12  
 Lambert, John S., S540  
 Landreneau, Michael D., 653  
 Lane, H. Clifford, 912  
 Langston, Amelia A., 583  
 Laverty, Maura, S534  
 Law, Barbara, 75  
 Lazar, Jeffrey D., S327  
 Le Clerc, J.L., 740  
 Lecciones, Julius, S307  
 Lederman, Michael M., 20, 406  
 Lee, James, S307  
 Lee, Richard V., 1052  
 Lehmann, Deborah, S1001, S1006, S1017  
 León, P., 745  
 León-Barúa, Raul, S24  
 Leonor, Zenaida A., S940, S1047  
 Lerman, Amir, 716  
 Levine, Alexandra M., 938  
 Levitan, Zohar, 273  
 Lewis, David B., S410  
 Li, Karl L., 75  
 Libanore, Marco, 158  
 Libke, Robert, S380  
 Lieberman, Judith P., 412  
 Liebman, Howard A., S552  
 Lillo, Mark, 760  
 Lima, Noelia L., S41  
 Lindberg, Alf A., S133  
 Lipson, Steven M., 303  
 Liu, K.L., 371  
 Liu, Qing-Huai, 562  
 Lloyd, Bruce K., 387  
 Longman, L.P., S294  
 Lopez-Navidad, Antonio, 297  
 Lorber, Bennett, 393  
 Lortholary, O., 370  
 Lossick, Joseph G., S665  
 Lubitz, Robert M., 757  
 Lucero, Marilla G., S929, S1047, S1055, S1065, S1081  
 Lue, Yvonne A., 412  
 Luengo, S., 563  
 Lupisan, Socorro, S940, S1047  
 Lupiwa, Tony, S1006  
 Lutwick, Larry I., 716  
 Ma, Pearl, 490  
 Macaya, Alfonso, 838  
 MacDonald, Noni, 900  
 MacDonell, Alex H., 432  
 Macharia, W.M., S1035  
 Macrina, Francis L., S235  
 Mader, Jon T., 286, 468  
 Magdangal, Dianalyn M., S929, S1047  
 Majno, Guido, 375  
 Makintubee, Sue, 628  
 Maldonado, Yvonne, S421  
 Mallolas, Josep, 718  
 Mandelli, Franco, 250, 570, 611  
 Mangubat, Nellie V., S929, S940, S1047  
 Manhart, M.D., S11  
 Manian, Farrin A., 236  
 Mantovani, Massimo Pettoello, 570  
 Marco, Francesc, 718  
 Marcus, Robert B., S805  
 Marczyk, Kathy S., S522  
 Markiewicz, Z., 118  
 Marmion, B.P., 338  
 Marriott, M.S., S267  
 Marshall, Barry J., S87  
 Martin, M.V., S294  
 Martin, R. Russell, S570  
 Martinelli, Elvira, 611  
 Martinez, Augusto J., 490  
 Martinez, Octavio V., 802

- Martino, Pietro, 250, 570, 611  
 Masci, Joseph R., 181  
 Mathisen, Glenn E., 529, 561, 813  
 Matlow, Anne G., 703  
 Mattern, William D., 621  
 Mauss, Debbie, S492  
 Maximova, Sonia, 537  
 McCabe, Robert, 618  
 McCaffrey, Ronald P., S552  
 McDonald, John C., 63, 653  
 McEniry, David W., 966  
 McEwen, Juan G., S304  
 McGiffin, David C., 820  
 McGowan, John J., S513  
 McIntosh, Kenneth, S867  
 McKinsey, David S., 125  
 McLaren, Colin, S540, S552, S570  
 McMillan, Julia A., 729  
 McMurray, Timothy I., 125  
 McNeil, Michael M., 778  
 McNulty, Clodna A.M., S94  
 McNutt, Robert A., 31  
 Mechali, D., 370  
 Mechinaud, Françoise, S307  
 Medalla, Felicitas, S940, S1047  
 Medearis, Donald N., Jr., S720  
 Medoff, G., S291  
 Mendenhall, Nancy P., S805  
 Méndez, F. Javier, 520  
 Mendoza, M. Carmen, 520  
 Meny, M., S966  
 Merigan, Thomas C., Jr., S499, S576, S693  
 Meunier, F., S364  
 Meyer, Richard D., 529  
 Michael, Audrey, S1006  
 Micozzi, Alessandra, 250, 570, 611  
 Miguel, Cynthia A., S940  
 Miller, Peggy, S369  
 Milliken, S.T., S374  
 Minitier, Peggy, S281  
 Mintz, Don, 277  
 Miró, Josep M., 718  
 Mirza, W.M., S1035  
 Mitsuya, Hiroaki, S513, S522  
 Modanlou, Houchang, S492  
 Mogdasy, C., S915  
 Mohar, Alejandro, 960  
 Montano, A., S966  
 Montgomery, Janet M., 75, S1001, S1006  
 Moosvi, Ali R., 848  
 Morace, Giulia, 570  
 Moraga, Fernando A., 838  
 Moran, John S., S633  
 Moreno, Santiago, 817  
 Morris, Anne B., 483  
 Morris, David J., 557  
 Morrison, Vicki A., 387  
 Morrissey, Anne, 406  
 Morse, Gene D., S540  
 Moxon, E. Richard, 75  
 Murtagh, Patricia, S889, S998, S1021, S1074  
 Musher, Daniel M., 286, 359  
 Musia, J., S1035  
 Musser, James M., 75  
 Myers, Maureen W., 944  
 Nadler, Jeffrey P., 162  
 Nahar, Najmun, S982  
 Nahar, Nurun, S899  
 Nájera, R., 745  
 Nantel, Stephen, 1100  
 Navarro, Eileen E., S1047, S1055, S1065  
 Ndinya-Achola, J.O., S1035  
 Neonatal IVIG Study Group, S463  
 Ni, Kai, 303  
 Nicaise, Claude, S570  
 Nicholas, Peter, 181  
 Nicolle, Lindsay E., 900  
 Nomani, Nasreen Khalid, S907  
 Nord, Carl Erik, S231  
 Norrby, S. Ragnar, 458  
 Noskin, Gary A., 514  
 Noya, Francisco J.D., S463, S476  
 O'Neill, Timothy, 784  
 O'Ryan, Miguel, S51  
 Odds, Frank C., 258  
 Olcoz, Maria Teresa, 817  
 Onderdonk, Andrew B., S121, S169, S178  
 Onyango, F.E., S1035  
 Orengo, Silvia, 760  
 Oriel, Thomas L., 829  
 Osinusi, K., S1039, S1042  
 Oster, Sharon, 618  
 Overturf, Gary D., 363  
 Oyejide, C.O., S1039, S1042  
 Paladin, Julia Fem, S929  
 Palutke, Waldemar, 693  
 Panichi, G., S152  
 Panosian, Claire B., 1044  
 Pareja, Gilda, S1029  
 Pariyanonda, Anong, S957  
 Pass, Robert F., S745  
 Pasternack, Mark S., S720  
 Patey, O., 157, 364  
 Patterson, Jan Evans, 644  
 Patterson, Jean L., 1139  
 Patterson, Thomas F., S281  
 Pattison, Patricia E., 75  
 Peltola, Heikki, 708  
 Peña, J.M., 563  
 Peña, P., 563  
 Peralta, Florián, S1029  
 Pérez, Francisco, 520  
 Perez-Breña, P., 745  
 Perfect, John R., S299  
 Perkins, Christopher J., S552  
 Perlman, Alon M., S304  
 Perno, Carlo-Federico, S522  
 Peterson, Herbert B., S656  
 Petti, Maria C., 570  
 Pettinelli, Carla, S540  
 Peyman, Gholam, S303  
 Phillips, Ian, S127, 1008  
 Phillips, Peter, 277, 1100  
 Piantadosi, Steven, S793  
 Pickard, William W., 308  
 Pien, Francis D., 161  
 Piffaretti, Jean-Claude, 73  
 Pirofski, Liise-anne, 964  
 Pizzo, Philip A., S307, S561  
 Plank, Carol S., S540  
 Plotkin, Stanley A., S827  
 Pluda, James M., S522  
 Pocidalo, M. Gougerot, 370  
 Poe, Mildred B., 1035  
 Polin, Richard A., S428  
 Polonelli, Luciano, 570  
 Pomat, William, S1001  
 Ponsillo, Maria A., 636  
 Ponte, Carmen, 369, 1019  
 Porath, Avi, 31  
 Potasman, Israel, 273  
 Poupard, James A., 890  
 Powles, R.L., S374  
 Prince, Gregory A., S470  
 Prociw, Paul, 160  
 Prowten, Allan W., 1052  
 Puthavathana, Pilaipan, S923, S957, S988  
 Pye, G.W., S276  
 Queipo, Salvacion C., S1055, S1065  
 Qureshi, A. Waheed, S907  
 Raad, Issam I., 591  
 Raasch, Ralph H., 621  
 Raccach, Ruggero, 250, 611  
 Rachlis, Anita R., 703  
 Raffanti, Stephen P., 993  
 Rager-Zisman, Bracha, 204, 1202  
 Rahman, Mahbubur, S899, S982  
 Raktham, Suwanee, S957  
 Ramphal, Reuben, 173  
 Rand, Kenneth H., S805  
 Ratzan, Kenneth R., 993  
 Raviglione, Mario C., 1127  
 Ray, J.C. Samanta, 560  
 Reddy, K.R., 802  
 Redondo-Lopez, Vicente, 856  
 Reed, P.J., S185  
 Reguera, Juan A., S157  
 Reichman, Richard C., S540  
 Reid, Jane, S540  
 Reig, Milagro, S157  
 Rench, Marcia A., S463  
 Rendina, Erino, 611  
 Resta, Silvia, S693  
 Reyes, Milagros P., 693  
 Richardson, K., S267, S276  
 Richman, Douglas D., S507  
 Rietschel, Ernst Th., S133  
 Riley, Ian D., S1006  
 Ritter, Jitka, S570  
 Rivera, Luis M., S1081



- Robinson, Edward N., Jr., 799  
 Robinson, Patrick A., S349  
 Rocha, Heonir, 128  
 Rød, Terje Olav, 708  
 Rodríguez, Carlos, 817  
 Rodríguez-Tudela, Juan Luis, 1019  
 Rohr, Michael S., 653  
 Rolfs, Robert T., 565, S590  
 Rolston, Kenneth, S369  
 Romano, Vicente V., S1081  
 Romeo, Ana Maria, S998  
 Ronald, Allan R., 900  
 Rosen, Henry, 286  
 Rosenkranz, Pnina, 20  
 Rotmensch, Heschi H., 537  
 Rowe, B., 1008  
 Roy, Sheila, 560  
 Rozenzweig, Marcel, S570  
 Ruangkanasetr, Suwanna, S923  
 Rubiés-Prat, Juan, 518  
 Rubin, Lorry G., 303  
 Rubin, Marc, S307  
 Rubin, Robert H., S691, S720, S754  
 Ruef, Christian, 41  
 Russi, J.C., S915, S995  
 Ryczak, Mary, 483  
 Sabbagh, Mouin F., 591  
 Sack, David A., S899, S982  
 Sack, Jeffrey B., 961  
 Sack, R. Bradley, S59  
 Sadeghi, Esmael, 543  
 Salama, Zakaria A., 330  
 Salata, Robert A., 406  
 Salemi, Charles, S380  
 Salomón, Horacio, S889, S974, S1074  
 Samonis, George, S369  
 Sands, Michael L., 483  
 Sangchai, Rawiwan, S957  
 Santilli, Stefania, 250  
 Santini, Claudio, 570  
 Santos, George W., S793  
 Saral, Rein, S793  
 Saravolatz, Louis D., 848  
 Satchidanand, Sateesh K., 1052  
 Saunders, Carol A., S552  
 Sawyer, Thomas K., 490  
 Schable, Barbara, 997  
 Schacter, Lee, S570  
 Schalkowsky, Samuel, S200  
 Schantz, Peter M., 5  
 Schattner, Amichai, 204, 1202  
 Scheld, W. Michael, 128  
 Scherer, Stewart, 258  
 Schiff, Eugene R., 802  
 Schmid, George P., S580  
 Schoenbaum, M.L., 951  
 Schooley, Robert T., S811  
 Schroeder, Ida, S1055, S1065  
 Schulman, Joel A., S303  
 Schwarcz, Sandra K., S682  
 Schwelke, Jane R., 824  
 Scott, Louis Keith, 873  
 Scudder, Robin, S820  
 Seddon, S., S185  
 Seery, J.P., 1202  
 Seidlin, Mindell, S534  
 Selander, Robert K., 75  
 Selwyn, B.J., S870  
 Serra, Pietro, 570  
 Shaheen, S., 951  
 Sharf, Mordechai, 273  
 Sharkey, Kay, S380  
 Sharp, Susan E., 993  
 Sheikh, Kahild, S492  
 Shepherd, John, 277  
 Shevchuk, Yvonne M., 1109  
 Shiraki, Masanori, 483  
 Shulman, Stanford T., 367  
 Siddiqui, Tariq, S805  
 Siegman-Igra, Yardena, 537  
 Silva, Marisella, S9, S21  
 Siminovich, Mónica, S1074  
 Simms, Stuart M., 848  
 Singh, Niti, 560  
 Singh, Sarman, 560  
 Sirinavin, Sayomporn, S923  
 Skibsted, Lillian, 416  
 Slade, Barbara A., 282  
 Slater, Leonard N., 628  
 Slater, P.E., 951  
 Smaldone, Laurie, S570  
 Smego, Raymond A., Jr., 873  
 Smiley, M. Lynn, 31  
 Smith, Shirley H., 820  
 Smith, Tom, S1006  
 Snyderman, David R., S839  
 Sobel, Jack D., 856  
 Soffer, Oved, 282  
 Sokolov, Richard T., Jr., 529  
 Soriano, Eladio, 718  
 Soriano, Francisco, 369, 1019  
 Soriano, Humberto A., S51  
 Soriano-Brücher, Humberto E., S51  
 Soussy, C.J., 157  
 Span, Angélique H.M., 367  
 Speizer, Frank E., 375  
 Sperber, Steven J., 736  
 Spira, William M., S24  
 Spooner, Veronica, S1006  
 Sprenger, H.G., S737  
 Stagno, Sergio, S745  
 Stamm, Alan M., 820  
 Stamm, Carl P., 754  
 Starr, Stuart E., S827  
 Steffen, Robert, S80  
 Stern, John J., S338  
 Stevens, David A., 258, S304, S380, 1147  
 Stevens, Dennis L., 286  
 Stiehm, E. Richard, S439  
 Stone, Katherine M., S610, S620  
 Stone, William J., 236  
 Stout, Maria L., 1004  
 Strickland, G. Thomas, 330  
 Stuart, Sir Kenneth, 375  
 Suarez, A., S915  
 Sugar, Alan M., S338  
 Sun, Sung H., S286  
 Sunico, Ma. Elinor S., S929, S940, S1047  
 Suwanjutha, Subharee, S923, S957, S988  
 Swenson, J.M., S210  
 Szabo, Susan, 412  
 Tabaqchali, Soad, S192  
 Tablan, Ofelia C., 693  
 Takala, Aino K., 75  
 Talan, David A., 363  
 Tan, Susan T., S940  
 Tannenbaum, Carl, S16  
 Tarbit, M.H., S267  
 Tavares, Aida, 128  
 Taylor, Eleanor M., 1035  
 Tellez, A., 745  
 Tello, Raúl, S24  
 Telzak, Edward E., 380  
 Thangsuwan, Jatanasanti, S957  
 The, T.H., S737  
 Theodore, Frederick H., 490  
 Thomas, Rose V., S522  
 Thomas, Vanessa, S307  
 Thong, Mee Len, 75  
 Thongcharoen, Prasert, S988  
 Thornsberrry, Clyde, S210, S218, 423  
 Thys, J.P., 740  
 Todd, John R., 63, 1035  
 Tomás, Santiago, 518  
 Tomaszewski, Joseph E., S513  
 Toomey, Kathleen E., S645  
 Torres, Cleotilde U., S929, S940  
 Toy, Cindy, S492  
 Travis, S.J., S291  
 Troke, P.F., S267, S276  
 Tsianco, Michael, S570  
 Tsolia, Maria, S820  
 Tuazon, Carmelita U., 387  
 Tucker, Richard M., S380  
 Tulchinsky, T.H., 951  
 Tupasi, Thelma E., S929, S940, S1017, S1047, S1055, S1065, S1081  
 Ujhelyi, Michael R., 621  
 Vaitayapichet, Sribenja, 136  
 Valanis, Gregory T., 768  
 Valentine, Fred T., S534  
 van Boven, Cornelis P.A., 367  
 van den Berg, A.P., S737  
 Van der Auwera, Philippe, 366  
 van der Bij, W., S737  
 van der Giessen, M., S737  
 van der Horst, Charles M., 621  
 van Son, W.J., S737  
 VandeVen, Carmella, S492  
 Vathanophas, Kanda, S957  
 Vázquez, Fernando, 520

Vazquez, J.J., 563  
 Vellend, H., 440  
 Venditti, Mario, 250, 570, 611  
 Vereerstraeten, P., 740  
 Vernant, Jean-Claude, 890  
 Vincent-Ballereau, F., 364  
 Visvesvara, Govinda S., 490  
 von Pilar, C.E., S483  
 Vonderfecht, Steve, S421  
 Vorachit, Malai, S957  
 Wafula, E.M., S1035  
 Waigwa, R.N., S1035  
 Walker, David H., 562  
 Wall, Robert A., 75  
 Walsh, Thomas J., S307  
 Wamola, I., S1035  
 Warchol, Andrew, 683  
 Ward, Joel I., 75  
 Warren, Kenneth S., 142  
 Wasi, Chantapong, S923, S957, S988  
 Watson, David A., 286  
 Watthana-kasetr, Siripath, S923  
 Weaver, Robert E., 423  
 Weigle, Kristen A., 31

Weinberg, Geoffrey A., S1017  
 Weiner, Leonard B., 729  
 Weiner, Roy S., S805  
 Weingarten, R.D., 118  
 Weintraub, Andrej, S133  
 Weissenbacher, Mercedes, S889, S974,  
 S1021, S1074  
 Weits, J., S737  
 West, Burton C., 63  
 Westh, Henrik, 416  
 Wexler, H., S210  
 White, Daniel W., 1203  
 White, Margaret C., 1035  
 Whittington, William L., S610, S682  
 Whittle, P.J., S267  
 Widell, Jeffrey L., 282  
 Wikle-Fisher, Terri, S805  
 Williams, J.D., S210  
 Wilner, Keith D., S327  
 Wilson, Christopher B., S410  
 Wilson, Samuel R., S483  
 Wingard, John R., S793  
 Winston, Drew J., S776  
 Witt, Campbell S., S1001

Wong, Dominic H., 848  
 Wong, Edna, 997  
 Woolley, Thomas W., 267  
 Wormser, Gary P., 602  
 Worning, Anne Marie, 12  
 Worthington, Michael G., 966  
 Woyskovsky, Natalio, S974  
 Wüst, J., S210  
 Wyatt, H.V., 547  
 Yanagihara, Richard, 449  
 Yarchoan, Robert, S522  
 Yoge, Ram, 367, 399  
 Yolken, Robert H., S421  
 Zähringer, Ulrich, S133  
 Zahurak, Marianna L., S793  
 Zaidi, Sohail Zahoor, S907  
 Zakowski, Phillip C., 788  
 Zea, Arnold, S950  
 Zech, F., 740  
 Zenilman, Jonathan M., S577, S633,  
 S656  
 Zenker, Paul N., S65, S590  
 Zervos, Marcus J., 644

# Subject Index

- Abscess (*see specific type*)  
*Acanthamoeba*, infections, review, 490  
Acquired immunodeficiency syndrome (*see AIDS*)  
*Actinomyces*, aerobic, species distribution and susceptibility, 778  
Acute respiratory tract infection, in children in developing countries  
    antibiotic use, parental report vs. microbiologic assay of urine, in Argentina, S998  
    in Argentina, S889  
    bacterial antigens, detection limitations, S929  
    bacterial carriage in upper respiratory tract, association with acute lower tract infections, S1006  
    bacterial pathogens, role, S998-S1020  
    in birth cohort in Colombia, S950  
    case-control study, risk factors, S1021  
    child care practices and risk, S1039  
    community-acquired, etiology, S940  
    community-based studies, S940-S973  
        in Colombia, S950  
        in Manila, S940  
        in Thailand, S957  
        in Uruguay, S966  
    and diarrhea, in Bangladesh, S899  
    epidemiology, S861, S870, S1021-S1054  
        in Argentina, S889, S1021  
        child care practices and risk in Nigeria, S1039  
        in Colombian birth cohort, S950  
        in Guatemalan preschool children, S1029  
        in Kenya, young children, S1035  
        in Manila, S940  
        in Nigeria, S1042  
    etiology, S861  
        in Argentina, S889  
        in Colombia, S950  
        of fatal infection in Argentina, S1074  
        in Manila, S929  
        morphologic findings in Filipino children, S1055  
        in Pakistan, S907  
        in Uruguay, S915  
    hospital-based studies, S889-S939  
    incidence, international, S870  
    latex agglutination vs. counterimmunoelectrophoresis for *H. influenzae* type b and *S. pneumoniae* detection, S1001  
    lower  
        in Argentina, S889, S998, S1074  
        bacterial colonization of upper respiratory tract, association, S1006  
        in Bangladesh, and diarrhea, S899  
        fatal in Argentina, analysis, S1074  
        *H. influenzae* isolates from Papua New Guinea and Philippines, outer membrane profiles, S1017  
        mortality, risk factors, S929  
        in Pakistan, etiology, S907  
        in Papua New Guinea  
            association with lower respiratory tract bacterial carriage, S1006  
            *H. influenzae* outer membrane protein diversity, S1017  
            in the Philippines, *H. influenzae* outer membrane protein diversity, S1017  
            in Thailand, nonbacterial, S923  
            in Uruguay, etiology, S915  
        malnutrition, impact on infection, in the Philippines, S1047  
        morbidity and mortality, risk factors and intervention, S940, S1047  
        overview of symposium, S867  
        pathogens, S870  
        pathology and clinical aspects, S1055-S1083  
        of fatal infection in Argentina, S1074  
        pneumonia  
            bacteremic, and clinical features in Manila, S929  
            cause of death, clinicopathologic correlations, S1065  
            etiology in Uruguay, S915  
            *H. influenzae* antigens, S1001  
            in Papua New Guinea, detection of *S. pneumoniae* and *H. influenzae* type b antigens, S1001  
            and pathologic findings in Filipino children, S1055  
            clinical correlations, S1065  
            respiratory rate as clinical predictor, S1081  
            research program, S861  
            respiratory rate as clinical predictor, S1081  
            risk factors, S966  
                in Argentina, matched case-control study, S1021  
                in Guatemalan preschoolers, S1029  
                in Kenya, young children, S1035  
                in Nigeria, S1042  
                and child care practices, S1039  
            symposium, S861-S1083  
            viral  
                in Argentina, S974  
                in Bangladesh, hospitalized children, S982  
                detection by conventional and rapid procedures, S974  
                diagnosis, S974, S988  
                in Thailand, S988  
                in Uruguay, S995  
            vitamin A, intervention, S1047  
Acyclovir  
    for cytomegalovirus disease, S849  
    for genital herpes infection, S610  
    for varicella pneumonia, early treatment in healthy adults, 788  
Adenovirus infection, disseminated, with hepatic necrosis, in human immunodeficiency virus infection and other immunodeficiencies, 303  
*Aeromonas*, bismuth subsalicylate activity in vitro, S11  
AIDS and AIDS-related complex (*see also* Human immunodeficiency virus; *specific complication*)  
    adenovirus infection, disseminated, with hepatic necrosis, 303  
    advances in diagnosis and treatment, 908  
    anemia, etiology and treatment, 931  
    antiretroviral drugs for treatment, 944  
    cancers in, 938  
    central nervous system involvement, and lymphoma, 938  
*C. neoformans* infection, spectrum, 768  
    and cytomegalovirus infection, S693  
    antigenemia, S737  
    role in pathogenesis, S811  
    dideoxyinosine (didanosine; ddI)  
    escalating-dose study, S540



- once-daily dose, S552  
preclinical development, S513  
phase I studies in adults, S522, S534, S570
- diarrhea, S41
- encephalitis, granulomatous amebic, 490
- endocarditis, native valve, due to *P. boydii*, 993
- epidural abscess, mixed *S. aureus* and *C. neoformans*, 964
- fluconazole for life-threatening fungal infection, S349
- herpes simplex virus infection, treatment with acyclovir, S610
- Kaposi's sarcoma related to, 938
- laboratory evaluation of human immunodeficiency virus infection, 912
- leukoencephalopathy, multifocal, as initial manifestation, 479
- lymphomas related to, 938
- meningitis, cryptococcal, treatment, S338
- M. fortuitum* disseminated infection, 961
- neoplasms in, therapy for, 908, 938
- pediatric
- cytomegalovirus infection, S820
  - evaluation of antiviral agents, S561
- physicians' obligation to treat, 191
- P. carinii* infection, extrapulmonary, 380, 1127
- rectal ulcer associated with papillomavirus type 33, 1004
- S. arizonae* bacteremia as initial manifestation, 514
- zidovudine
- intolerance in patients, S500
  - resistance of human immunodeficiency virus isolates, S507
- AIDS Clinical Trials Group, trials of new antiviral agents, 944
- Amebas, free-living, life cycles and infections due to, 490
- Amebic infections, liver abscess ultrasonography in diagnosis and management, 330
- American Medical Association, and obligation to treat infectious disease, 191
- Amphotericin B
- for aspergillosis, 1147
  - for biliary tract candidiasis, 483
  - for candidiasis, disseminated, S307
  - clinical review, 308
  - for cryptococcal meningitis, S338
  - for *C. neoformans* infection in AIDS, 768
  - vs. fluconazole in experimental invasive aspergillosis, S281
  - vs. fluconazole in murine histoplasmosis, S291
  - for peritonitis due to *Curvularia* species and *T. beigeli*, 621
  - for *S. cerevisiae* invasive disease, 406
- Anaerobic bacteria
- gram-negative bacilli, spiral gradient endpoint susceptibility test, S200
  - identification, new laboratory methods, S127
  - infections in Italy, S152
  - pathogenesis and immune mechanisms, S157
  - problems and controversies of bacteriology, S223
  - rapidly growing, agar diffusion disk susceptibility test, S210
  - resistance
    - to  $\beta$ -lactams, S231
    - in Italy, S152  - role of NCCLS in susceptibility testing, S218
  - septic arthritis due to *B. fragilis*, 20
  - symposium, S121-S261
  - taxonomy of medically important species, S122
- Angiostrongyliasis, in Australia, 160, 161
- Antibiotic(s) (see also specific agent)
- association of therapy with hypoprote thrombinemia, 1109
  - in developing countries, 12
    - Bangkok, Thailand, patterns of hospital use, 136
    - use and abuse, report of symposium, 12
- Antifungal therapy (see also specific agent)
- for aspergillosis, 1147
  - amphotericin B, use, 308
  - for cholangitis due to *P. wickerhamii*, 802
  - prophylaxis
    - in bone marrow transplantation, S374
    - in cancer patients, S369
- Antimicrobial susceptibility
- of anaerobes
    - of *B. fragilis* group, in Spain, S142
    - gram-negative bacilli, spiral gradient endpoint test, S200
    - in Italy, S152
    - problems and controversies in testing, S223
    - rapidly growing, agar diffusion disk susceptibility test, S210
    - role of NCCLS in testing, S218
    - to fluconazole in vitro, relation to treatment, S272
    - in Iranian hospital, 543
- Antiretroviral agents (see under Retroviruses; specific agent)
- Appendicitis, acute, complication of infectious mononucleosis, 297
- ARC (see AIDS and AIDS-related complex; Human immunodeficiency virus)
- Arthritis
- reactive, and AIDS, 223
  - rheumatoid, possibility of viral etiology, 204
  - septic
    - due to *B. fragilis*, 20
    - due to *F. moniliforme*, 716  - streptococcal, group C, 829
- Arthroplasties, knee, infections, treatment, 468
- Aspergillosis, invasive
- antifungal and surgical therapy, 1147
  - experimental, efficacy of fluconazole, S281
- Aspergillus fumigatus*, animal model of infection, effect of fluconazole, S281
- Aspergillus* species
- otitis, invasive external, intraconazole treatment, 277
  - prophylaxis in bone marrow transplantation, S374
- Audiovisual materials, problems, 359
- Autoimmunity
- and human immunodeficiency virus infections, 223
  - and viral infections, 204, 1202
- Azidouridine, 944
- Azoles (see also Fluconazole)
- C. albicans* activity in vitro, S276
  - clinical efficacy, S276
  - correlations of in vitro and in vivo efficacy, S276
  - structures, S277
- AZT (see Zidovudine)
- Bacteremia
- anaerobic, oral source in neutropenic patients, S157
  - Brucella*, chemotherapy, 1060
  - Campylobacter fetus*, 387
  - Corynebacterium* group 2, associated with urinary tract infection

- tion, 1019  
*Enterobacter*, in children, 808  
*Escherichia coli*, community and nosocomial, prospective study, 1008  
*Haemophilus influenzae* capsular type F, 628  
*Leuconostoc* species, 602  
*Pseudomonas aeruginosa*, epidemiologic characteristics and outcome, 718  
*Salmonella arizonae* in human immunodeficiency virus infection, 514  
*Serratia marcescens*, 563  
*Salmonella* non-typhi, complicated by endocarditis, 817  
*Staphylococcus epidermidis*, features, 520  
*Streptococcus* group A, presentations, 537  
*Bacteroidaceae*, taxonomy, S122  
*Bacteroides*  
 species, clindamycin resistance, S235  
 taxonomy, S122  
*Bacteroides fragilis*  
 animal model of virulence and host response, S169  
 arthritis, septic, 20  
 bismuth subsalicylate activity in vitro, S9  
 group  
   humoral factors in host resistance, S161  
   in Spain, antimicrobial susceptibility, S142  
   intraabdominal abscess and T cell regulation, S178  
   lipopolysaccharide, endotoxic activity, S133  
   meningitis, 364  
   susceptibility in vitro, S152  
   virulence and host response, animal model, S169  
*Bacteroides melaninogenicus*, antimicrobial susceptibility, S152  
 Balantidiasis, in humans and non-human primates, 1052  
*Balantidium coli*, typhilitis, in lowland gorillas, 1052  
 $\beta$ -lactam antibiotics, anaerobic bacteria, resistance, S231  
 Biliary tract, candidiasis, 483  
 Bismuth salts  
   antibacterial activity in vitro, S11  
   effects on fermentation by colonic bacteria, S24  
   therapy for diarrhea, effect of dosage form, S68  
 Bismuth subsalicylate  
   antibacterial activity, S9  
   in vitro, S11  
   in vivo, S21  
   antisecretory and antiinflammatory properties, S16  
   chemistry, S3  
   for *C. difficile* colitis in hamsters, S57  
   colonic bacteria, effects on fermentation, S24  
   for diarrhea  
     acute, in children, S51  
     chronic, in children, S36  
     travelers'  
       prevention, S64, S68  
       treatment, S80  
   and fecal microflora, effects, S21  
   for gastritis associated with *C. pylori*, vs. erythromycin ethylsuccinate, S94  
   history, S3  
   with metronidazole for *C. pylori* infection, S87  
   for peptic ulcer associated with *C. pylori*, S115  
   safety, S3  
   summary of symposium, S1  
   symposium, S1-S119  
*Blastocystis hominis*, in immunodeficiency disease, 158  
*Blastomyces dermatitidis*, infection, fluconazole vs. ketoconazole in murine model, S304  
 Blastomycosis, fluconazole vs. ketoconazole in murine model, S304  
*Blastoschizomyces capitatus*, emerging fungal pathogen in leukemia patients, 570  
 Bone marrow transplantation (see under Transplantation)  
 Bronchiolitis, etiology, 745  
*Brucella*, endocarditis, combined medical and surgical treatment, S740  
 Brucellosis  
   chemotherapy, 1060  
   complications, treatment, 1060  
   experimental, in animals, chemotherapy, 1060  
   infectious disease rounds, 636  
*N*-Butyl-deoxynojirimycin, 944  
 Calcitonin, elevation associated with toxic shock syndrome, 736  
 Calcium, imbalance in toxic shock syndrome, 736  
*Campylobacter fetus*, cardiovascular and bacteremic infections, 387  
*Campylobacter pylori*  
   bismuth subsalicylate activity in vitro, S11  
   gastritis, S87  
   treatment with bismuth subsalicylate, S94  
   infections  
     diagnosis, S107  
     epidemiology and pathophysiology, S99  
     peptic ulcer, S87  
     treatment with bismuth subsalicylate, S115  
 Canada, infectious diseases as subspecialty, 900  
 Cancer  
   antifungal prophylaxis, S369  
   colon, and intestinal microflora, S252  
   infections in Mexican patients, 960  
 Cardiac transplantation (see under Transplantation)  
*Candida albicans*, DNA typing, applications to epidemiology, 258  
 Candidiasis  
   biliary tract, 483  
   in bone marrow transplantation, prophylaxis, S374  
   endocarditis, experimental, fluconazole prophylaxis and treatment, S294  
   fluconazole for preventive or early treatment in granulocytopenic rabbits, S307  
   life-threatening, treatment with fluconazole, S349  
   oropharyngeal  
     prophylaxis with fluconazole, S369  
     treatment with fluconazole, S334, S364  
     prophylaxis in bone marrow transplantation, S374  
*Capnocytophaga ochracea*, bacteremia in neutropenic patient, S157  
 Cardiac transplantation, complicated by listerial myocarditis, 820  
 Cardiovascular infections, due to *C. fetus*, 387  
 Catheters, central venous, in bone marrow transplant recipients, right-sided endocarditis, 250  
 Cefoxitin, *B. fragilis* susceptibility, S142  
 Ceftazidime, in malignant external otitis, 173

- Ceftriaxone, treatment of syphilis, 565
- Cell-mediated immunity, in experimental cytomegalovirus infection, S720
- Central nervous system infections, bacterial, in Brazil, 128
- Chancroid, treatment recommendations, S580
- Chernin, Eli, memorial minute, 564
- Chickenpox, pneumonia, treatment with acyclovir, 788
- Children (see Pediatrics)
- Chlamydia psittaci*, in acute respiratory disease in Spain, 745
- Chlamydia trachomatis* infection
- cotreatment with gonococcal infection, S633
  - treatment, S645
- Chloramphenicol, *B. fragilis* group susceptibility, S142
- Cholangitis, sclerosing, due to *P. wickerhamii*, treatment with antifungal agents, 802
- Cholecystitis, due to *Candida*, 483
- Cholestyramine, for chronic diarrhea in children, S36
- Cimetidine, vs. bismuth subsalicylate for peptic ulcer, S115
- Ciprofloxacin
- B. fragilis* group susceptibility, S142
  - Bacteroides* species, resistance, S235
  - for *P. aeruginosa* lung abscess, 757
  - for salmonellosis, 873
- Clostridium*, antimicrobial susceptibility, S152
- Clostridium difficile*
- antimicrobial susceptibility, S152
  - bismuth subsalicylate activity in vitro, S9
  - colitis in hamsters, treatment with bismuth subsalicylate, S57
  - as enteric pathogen, S243
  - epidemiologic markers, S192
  - toxins, S185
  - virulence factors, S185
- Clostridium septicum*, in gas gangrene, 286
- Cocci, gram-positive, antimicrobial activity, S152
- Coccidioidomycosis
- fluconazole therapy in Japanese macaques, S286
  - life-threatening, treatment with fluconazole, S349
  - meningitis, treatment with fluconazole, S380
- Colitis, *Clostridium difficile*-associated, in hamsters, treatment with bismuth subsalicylate, S57
- Colony-stimulating factors
- lymphokine enhancement of myeloid pools in neonates, S492
  - granulocyte-macrophage, clinical usefulness, 41
  - in management of hematologic complications of human immunodeficiency virus infection, 931
- Complement
- deficiency in neonates, S401
  - in host resistance to *B. fragilis* group infection, S161
- Condylomata acuminata (see Papillomavirus, human)
- Congenital infection (see also under Neonates)
- cytomegalovirus, 31, S745
- Conjunctivitis, due to *N. meningitidis*, 835
- Contact lenses, and acanthamoeba keratitis, 490
- Corticosteroids, for glomerulonephritis due to *S. aureus*, 125
- Corynebacterium* group D2
- antimicrobial resistance, 1019
  - urinary tract infection, 1019
- Corynebacterium xerosis*, endocarditis in drug abuser, 412
- Coxiella burnetii*, in acute respiratory disease in Spain, 745
- Croup, with secondary bacterial tracheitis, 729
- Cryptococcus neoformans* infections
- epidural abscess, with *S. aureus*, in AIDS, 964
  - fluconazole treatment, S349
  - in human immunodeficiency virus infection, spectrum and treatment, 768
  - meningitis, treatment overview, S338
  - skeletal infections, 181
- Curvularia* species, peritonitis, 621
- Cystitis, *Corynebacterium* group D2-associated, 1019
- Cyclosporine, interactions with antimicrobial agents, 371
- Cytokines
- granulocyte-macrophage colony-stimulating factor, clinical usefulness, 41
  - and neonatal susceptibility to infection, S410
- Cytomegalovirus
- and AIDS, S693, S811
  - antigenemia, S737
  - in children, S820
  - pulmonary infection, S711
  - treatment of infection, S811
  - antiviral drug treatment and prophylaxis, S849
  - and blood transfusion, S701
  - bone marrow transplantation, S776, S793
  - immunoglobulin prophylaxis, with and without ganciclovir, against pneumonia, S839
  - pneumonitis, S711, S776, S793, S805
  - risk factors in allograft recipients, S793
  - cell-mediated immunity and infection, S720
  - in children with AIDS, S820
  - congenital, S745
  - diagnosis of infection, S693, S727, S737
  - determinants of infection and disease, S701
  - epidemiology of infection, S693, S701
  - experimental infection, immunopathology, S720
  - heterosexual transmission, S701
  - history, S691
  - homosexual transmission, S701
  - and host immunity, S711
  - vs. human immunodeficiency virus as cause of retinitis, 557
  - hyperimmune globulin prophylaxis in transplantation, S839
  - immunoglobulin, intravenous, prophylaxis
    - in bone marrow recipients, S805
    - for cytomegalovirus disease, S839
- immunopathology, S711
- murine model, S720
- neonatal and perinatal infection, S693, S701, S745
- and opportunistic infections, S754
- in organ transplantation, effects, S754
- pathogenicity of infection, S711
- pneumonia, prevention in bone marrow recipients, S776, S805
- pneumonitis, mechanism of infection, S711
- prophylaxis for interstitial pneumonia in bone marrow recipients, S805
- reinfection, S711
- retinitis in AIDS, approach to therapy, S811
- soluble mediators of infection, S720
- sexual practices and transmission, S701
- symposium, S691-S860
- T lymphocytes, cytotoxic, in immunity, S720
- tissue invasive disease, diagnosis, S727

- transplantation and infection, S693, S701  
treatment and prophylaxis, S745, S839  
vaccination, cost effectiveness, 31  
vaccines, S827  
    cost effectiveness, 31  
virology and pathogenesis, S693
- D4T, for human immunodeficiency virus infection, 944
- Day care centers, diarrhea, S41
- Developing countries  
    antibiotic use, 12  
    in Bangkok hospital, 136  
    respiratory tract infections, S861-S1083
- Dexamethasone, for bacterial meningitis, 903
- Diabetes mellitus, group B streptococcal pyomyositis, 784
- Diarrhea  
    acute, in children, treatment with bismuth subsalicylate S51  
    in AIDS patients, S41  
    bacterial, prevention with bismuth subsalicylate, S64  
    bismuth subsalicylate activity against causative strains, S11  
    in children, chronic, effect of bismuth subsalicylate, S36  
    in day care centers, S41  
    diagnosis and management, S41  
    epidemiology and etiology, S41, S73  
    in measles, adult, 1044  
    nosocomial, S41  
    pathogenesis, S30  
    travelers'  
        bismuth subsalicylate therapy, S80  
        vs. loperamide therapy, S80  
    etiology, S73  
    pathogenesis, S30  
    prevention and treatment, S59, S64, S68
- Diarrheal diseases, in children, use of antibiotics, 12
- Didanosine (see Dideoxyinosine; under AIDS)
- Dideoxyadenosine (ddA), 944
- Dideoxycytidine (ddC)  
    clinical trials, 944  
    effect on myeloid and erythroid growth, S500
- Dideoxydihydrothymidine (DHT), 944
- Dideoxyinosine (ddI; didanosine)  
    adverse effects in patients with AIDS or ARC, S522, S534  
    comparison with dideoxyadenosine, S513  
    escalating-dose study in AIDS and ARC, S540  
    once-daily dose in AIDS and ARC, S552  
    phase I studies in AIDS and ARC  
        National Cancer Institute, S522  
        New York University Medical Center, S534  
    overview, S570  
    preclinical development, overview, S513  
    symposium, S499-S576  
    summary, S576
- DNA typing, for *C. albicans*, 258
- Dowell, Vulus Raymond, Jr., in memoriam, 967
- Drug abusers, endocarditis in, unusual pathogens, 412
- Drug interactions, with fluconazole, S327
- Eaton agent, story of discovery, 338
- Ecchinococcosis, clinical symptoms, 529
- Editorship, note from new editor, 1
- Elderly, diarrhea in extended care facilities, S41
- Electrolytes, intestinal, transport, physiologic regulation, S30
- Encephalitis  
    amebic, 490  
    toxoplasmic, sulfadiazine and acute renal failure, 618
- Echinococcus granulosus*, infection, 529
- Endocarditis  
    *Brucella*, combined medical and surgical treatment, 740  
    *C. fetus*, 387  
    candidal, experimental, fluconazole prophylaxis and treatment, S294  
    catheter-related, in bone marrow recipients, 250  
    left-sided, due to *P. aeruginosa*, characteristics, 693  
    *P. boydii*, native valve, in AIDS patient, 993  
    narcotic-associated, unusual pathogens, 412  
    *Salmonella non-typhi*, ampicillin-resistant, 817  
    due to streptococci, nonenterococcal, treatment with penicillin, 112
- Endometritis, due to *S. pneumoniae*, postpartum maternal and neonatal sepsis, 799
- Endophthalmitis, due to *N. asteroides*, diagnosis by retinal biopsy, 393
- Enteric infections, viral, bacterial, and parasitic, S41
- Enterobacter*, bacteremia in children, 808
- Enterobacteriaceae*, meningitis, epidemiology and mortality in Brazil, 128
- Enterococcus*, gentamicin resistance, basis of and epidemiology, 644
- Enterotoxins, *E. coli* and *V. cholerae*, bismuth subsalicylate effects on fluid accumulation, animal models, S16
- Endothelial cells, viral infection, 367
- Epidemiology  
    of bacterial meningitis in northeastern Brazil, 128  
    of *C. pylori* infections, S99  
    of *C. albicans* infection, application of DNA typing, 258  
    *C. difficile* infection, S192  
    of diarrhea, S41  
    of *H. influenzae*, encapsulated 75  
    of respiratory tract infection, acute, in children in developing countries (see under Acute respiratory tract infections)  
    of trichinosis in United States, 4
- Epstein-Barr virus, infection, complications by acute appendicitis, 297
- Erysipelas, group A streptococcal bacteremia secondary to, S37
- Erythropoietin, human recombinant, in management of hematologic complications of human immunodeficiency virus infection, 931
- Escherichia coli*  
    bacteremia, prospective study, 1008  
    bismuth subsalicylate activity in vitro, S9, S11  
    entero-adherent, in acute diarrheal disease, S59  
    enterotoxigenic, diarrhea, S59, S68, S73  
    enterotoxins, bismuth subsalicylate effects on fluid accumulation, animal models, S16  
    in visceral leishmaniasis, 518
- Facial nerves, paralysis and Kawasaki disease, 403
- Fever, with hepatosplenomegaly and pancytopenia, infectious disease rounds, 636
- Fibronectin, role in neonatal and childhood infections, S428

## Fluconazole

- for aspergillosis, 1147
  - experimental invasive, S281
  - for blastomycosis, murine model, compared with ketoconazole, S304
  - for candida endocarditis, experimental, prophylaxis and treatment, S294
  - candida susceptibility, in vitro vs. in vivo, S272
  - for candidiasis
    - experimental, S299
    - in granulocytopenic rabbits, S307
    - oropharyngeal
      - prophylaxis, S369
      - treatment, S334, S364
  - for coccidioidomycosis
    - in Japanese macaques, S286
    - meningitis, S380
  - compassionate use for life-threatening infections, S349
  - correlations between in vitro and in vivo antifungal activity, S272, S276
  - for cryptococcal meningitis, S338
  - for cryptococcosis, experimental, S299
  - discovery and strategy of development, S267
  - drug interactions, S327
  - for histoplasmosis in mice, S291
  - intravitreal, toxicity, S303
  - vs. ketoconazole for oropharyngeal candidiasis, S364
  - for life-threatening infections, S349
  - for meningitis, coccidioid, S380
  - overview of symposium, S263
  - pharmacokinetics
    - in humans, S318
    - in models of candidiasis in granulocytopenic rabbits, S307
  - tissue/fluid penetration in humans, S318
  - toxicity, intravitreal administration, S303
  - symposium, S263-S389
- Flucytosine
- for aspergillosis, 1147
  - for cryptococcal meningitis, S338
- 5-Fluorouracil, for treatment of genital warts, S620
- Foscarnet, 944
- for cytomegalovirus disease, S849
  - retinitis in AIDS, S811
- Fungal infections (see also specific infection, antifungal agent)
- amphotericin B treatment, 308
  - fluconazole, S263-S389
  - meningitis, experimental, fluconazole treatment, S299
  - ocular, experimental, fluconazole treatment, S299
  - urinary tract, experimental, fluconazole treatment, S299
- Fusarial infection, disseminated, 162
- Fusarium moniliforme*, septic arthritis, 716
- Fusobacterium nucleatum*, bacteremia in neutropenic patient, S157
- Gall bladder, candidiasis, 483
- Ganciclovir, for cytomegalovirus infection, S849
- in AIDS, S811
  - in bone marrow recipients, S776, S839
- Gangrene, gas, due to *C. septicum*, 286
- Gastritis
- acute, with hypochlorhydria, S87

*C. pylori*, S99

- bismuth subsalicylate vs. erythromycin ethylsuccinate treatment, S94
  - diagnosis, S107
  - and peptic ulcer, S87
  - emphysematous, 848
- Gastrointestinal disease, cytomegaloviral, treatment with ganciclovir, S849
- Genetic structure, of *H. influenzae*, encapsulated, 75
- Genital infections (see also Sexually transmitted diseases)
- herpes, treatment, S610
  - due to *S. pneumoniae*, in women, 416, 1203
  - warts due to papillomavirus, treatment, S620
- Gentamicin, resistance in *Enterococcus* species, 644
- Geriatrics, prison inmates, infectious diseases, 683
- Glomerulonephritis, due to *S. aureus*, treatment with corticosteroids, 125
- GM-CSF (see Colony-stimulating factor, granulocyte-macrophage)
- Gonococcal infections, treatment, S633
- Graft-vs.-host disease in bone marrow recipients and cytomegaloviral disease, S793
- and immunoglobulin prophylaxis, S805
- Granulocyte-macrophage colony-stimulating factor (see under Colony-stimulating factors)
- Granulocytes, transfusion, for neonatal sepsis, S401
- Hantavirus infection, epizootiology and epidemiology in United States, 449
- Haemophilus ducreyi* infection (chancroid), treatment recommendations, S580
- Haemophilus influenzae*
- bacteremia due to type f, 628
  - encapsulated, global genetic structure and molecular epidemiology, 75
  - meningitis, epidemiology and mortality in Brazil, 128
  - in Scandinavia, incidence and characteristics of systemic infections, 708
  - tracheitis, 729
- Hepatic necrosis, due to disseminated adenovirus infection in AIDS and other immunodeficiencies, 303
- Hepatitis B, vaccine, immunogenicity, intradermal vs. intramuscular administration, 1035
- Hepatosplenomegaly, with pancytopenia and fever, infectious disease rounds, 636
- Hemorrhagic fever, with renal syndrome, in United States, 449
- Herpesviruses (see also specific virus)
- herpes simplex virus infection, genital, treatment, S610
  - varicella-zoster virus, pneumonia, treatment with acyclovir, 788
- Histoplasmosis, murine, fluconazole vs. amphotericin B treatment, S291
- Historical articles, Eaton agent, as cause of primary atypical pneumonia, scientific acceptance, 338
- HIV (see Human immunodeficiency virus)
- HLA, association with leprosy, 63
- Host defense
- and cytomegalovirus infection, S711
  - and fibronectin in neonates and children, S428
  - mechanisms in cancer patients, clinical use of cytokines (GM-CSF), 41



- Human immunodeficiency virus infection (*see also* AIDS and AIDS-related complex)
- acute manifestations, 282
  - adenovirus infection with hepatic necrosis, complications, 303
  - colitis, pathogenesis, 557
  - and *C. neoformans* infection, spectrum, 768
  - and cytomegalovirus infection, S701, S811
  - cytopenias, etiology, 931
  - diagnostic laboratory tests, 912
  - dideoxyinosine, patient studies, S522, S534, S540
  - and endocarditis, 412
  - hematologic complications, 908, 931
  - laboratory parameters, clinical use, 908
  - leukoencephalopathy, multifocal, as initial AIDS manifestation, 479
  - mortality cofactors, S820
  - mycobacterial infection, 754
  - in myeloid cells, 931
  - pediatric
    - considerations in evaluating antiretroviral agents, S561
    - and cytomegalovirus infection, S820
    - ongoing and planned treatment trials, S561
    - plaque-reduction assay for assessing resistance of isolates, S507
    - preclinical development of dideoxyinosine, S513
    - prognostic staging, 912
    - pulmonary infection, CD4 lymphocyte counts and risk, 561
    - and retinitis, vs. cytomegalovirus, 557
    - rheumatic manifestations, 223
    - surrogate markers of disease progression or therapy, 912, 944
    - syphilis serology in neurosyphilis, 703
    - type 1, laboratory methods of diagnosis and staging, 912
    - zidovudine resistance of isolates, S507
- Human leukocyte antigen, association with leprosy, 63
- Human T lymphotropic virus type 1 (HTLV-1), and tropical neurolymphopathies, 890
- Hydatid cyst, clinical symptoms, 529
- Hypocalcemia, in toxic shock syndrome, 736
- Hypercalcitonemia, in toxic shock syndrome, 736
- Hypoprothrombinemia, antibiotic-associated, 1109
- Imipenem, *B. fragilis* susceptibility, S142
- Immunocompromised host (*see also specific infection*)
- aspergillosis, 1147
  - cancer, infections in Mexican patients, 960
  - candidiasis, oropharyngeal
    - prophylaxis, S369
    - treatment, fluconazole vs. ketoconazole, S364
  - cytomegalovirus infection, pathogenesis, S720
  - neonate (*see* Neonatal sepsis)
  - quinolones for salmonellosis, 873
  - Xanthomonas maltophilia* (*Pseudomonas maltophilia*), nosocomial infections, 997
- Immunodeficiency (*see also specific disease*)
- adenovirus infection with hepatic necrosis, complication, 303
  - B. hominis* as potential pathogen, 158
  - induced by viral respiratory pathogens, 729
  - murine, treatment of histoplasmosis with fluconazole, S292
- Immunoglobulin, intravenous
- in bone marrow recipients
    - plus ganciclovir for treatment of cytomegalovirus pneumonia, S776
    - for prophylaxis against cytomegalovirus pneumonia, S805
- cytomegaloviral hyperimmune, for prevention and treatment of disease, S839
- hyperimmune
- cytomegaloviral, for prophylaxis and treatment, S839
  - for group B streptococci, S483
  - in liver transplantation, S767
  - for neonatal infection, S439-S475
  - efficacy studies, S392
  - pharmacokinetics in neonate, S443
  - present status, S439
  - prophylaxis, S443
  - for respiratory syncytial virus infections, S470
  - risks, S443
  - sepsis, S443
  - sepsis, late onset, prophylaxis in low-birth-weight infants, clinical trials, S457, S463
  - Streptococcus* group B infection in neonates, S476
  - with high-titered preparations, S483
- Infectious diseases, practice, in Canada, 900
- Infectious mononucleosis, complicated by acute appendicitis, 297
- Influenza virus, in secondary bacterial tracheitis, 729
- Inoculum effect, 369
- Interferons
- $\alpha$ , in treatment of Kaposi's sarcoma in AIDS, 938
  - $\gamma$ 
    - for leishmaniasis, visceral, with conventional therapy, in AIDS patient, 370
    - role in neonatal susceptibility to infection, S410
    - for genital warts, S620
- Intestinal fluid, transport, physiologic regulation, S30
- Intestinal infections, viral, in neonates, S421
- Intestinal microflora, and colon cancer, S252
- Intraabdominal abscesses, *B. fragilis*-induced, T cell regulation, S178
- Intraabdominal sepsis, animal models, S169
- Intracellular pathogens, neonatal susceptibility, S410
- Intrauterine device, and *S. pneumoniae* genital tract infections, 416
- Isoniazid, prophylaxis in human immunodeficiency virus infection, 754
- Isotretinoin, for rectal ulcer due to papillomavirus type 33 in AIDS patient, 1004
- Israel, measles, 951
- Itraconazole
- for aspergillosis, 1147
  - for otitis, external invasive, due to *Aspergillus*, 277
- Kaposi's sarcoma
- in AIDS, therapy, 908
  - etiology, pathogenesis, and clinical features, 938
  - role of human immunodeficiency virus, 938
- Kass, Edward H., eulogy, 375
- Kawasaki disease, and facial nerve paralysis, 403
- Keratitis, due to *Acanthamoeba*, 490
- Ketoconazole
- for aspergillosis, 1147



- for blastomycosis, murine model, compared with fluconazole, S304  
vs. fluconazole for oropharyngeal candidiasis, S364  
*Kingella kingae* infections, 423  
*Klebsiella pneumoniae*, community-acquired pneumonia, 672  
*Kluyvera ascorbata*, peritonitis, 399  
Knee infections, after arthroplasty, treatment, 469  
Lactobacilli, in control and maintenance of vaginal microflora, 856  
*Legionella micdadei*, infections in bone marrow recipients, 824  
*Legionella pneumophila*, in acute respiratory disease in Spain, 745  
Leishmaniasis, visceral  
  interferon- $\gamma$  plus conventional therapy, in AIDS patient, 370  
  presentation, 518  
Leprosy  
  association with human leukocyte antigens, 63  
  history of obligation to treat, 191  
  in northern Louisiana, 63  
*Leptotrichia buccalis*, bacteremia in neutropenic patient, S157  
*Leuconostoc* species  
  bacteremia and other infections, 602  
  vancomycin resistance, 602  
Leukemia  
  acute, pulmonary mycetoma complicated by spontaneous pneumothorax, 611  
  disseminated infections due to *B. capitatus*, 570  
Lipid A, of *B. fragilis*, S133  
Lipopolysaccharides, of *B. fragilis*, structure-activity relationships, S133  
Liposomes, and amphotericin B, aspergillosis treatment, 1147  
*Listeria*, neonatal infection, S410  
*Listeria monocytogenes*, myocarditis, in cardiac transplantation, 820  
Liver abscess, amebic, diagnosis with ultrasound and metronidazole treatment, 330  
Liver transplantation (see under Transplantation)  
Lung abscess  
  *K. pneumoniae*, 672  
  *P. aeruginosa*, treatment with oral ciprofloxacin, 757  
Lymphocytes, absolute CD4 counts and pulmonary infection, S61  
Lymphokines, and neonatal neutrophil function, S492  
Macaques, Japanese, coccidioidomycosis, treatment with fluconazole, S286  
Malaria, falciparum, treatment, 1100  
Manson, Sir Patrick, and tropical health, 142  
Measles  
  in adult, diagnosis, 1044  
  eradication strategies, 951  
  in Israel, 951  
Meliodiosis, chronic, 966  
Meningitis  
  bacterial  
    dexamethasone treatment, 903  
    epidemiology and mortality in northeastern Brazil, 128  
  *B. fragilis*, 364  
  coccidioidal, treatment with fluconazole, S380  
  cryptococcal, treatment overview, S338  
  fungal, experimental, treatment with fluconazole, S299  
  *H. influenzae* in Brazil, 128  
  *N. meningitidis*  
    in Brazil, 128  
    prognosis, 973  
  *P. multocida* in adults, 440  
  *P. boydii*, persistent neutrophilic, 959  
  streptococcal  
    group B, in adults, including postpartum, 273  
    group C, in adults, 157  
  *S. pneumoniae*  
    in Brazil, 128  
    moderately penicillin-resistant, 717  
    penicillin-resistant, 118  
Meningococcal disease  
  complicating primary meningococcal conjunctivitis, 838  
  early treatment, 359, 363  
  systemic, prognosis, 973  
Meningoencephalitis, amebic, 490  
Metronidazole  
  for amebic liver abscess, 330  
  *B. fragilis* susceptibility, S142  
  with bismuth subsalicylate for *C. pylori* infection, S87  
Mezlocillin, *B. fragilis* susceptibility, S142  
Mononucleosis (see Infectious mononucleosis)  
*Moraxella* and *Moraxella*-like group infections, 423  
Moxalactam, *B. fragilis* susceptibility, S142  
Mycetoma, pulmonary, complicated by spontaneous pneumothorax in acute leukemia, 611  
*Mycobacterium avium-Mycobacterium intracellulare* complex, disseminated infection in human immunodeficiency virus-positive man, 754  
*Mycobacterium fortuitum*, disseminated infection in AIDS, 961  
*Mycobacterium kansasii*  
  pulmonary and disseminated infection, 760  
  susceptibility of clinical isolates, 760  
*Mycobacterium tuberculosis*  
  miliary tuberculosis, 583  
  psoas abscess following isoniazid prophylaxis in human immunodeficiency virus infection, 754  
  spinal cord mass due to, 432  
*Mycoplasma pneumoniae*  
  in acute respiratory disease in Spain, 745  
  history of discovery (Eaton agent), 338  
  lower respiratory tract infection, etiology, 745  
Myocarditis, listerial, in cardiac transplantation, 820  
*Naegleria* infections, 490  
National Committee for Clinical Laboratory Standards, role in antimicrobial susceptibility testing of anaerobic bacteria, S218  
*Neisseria flavescens*, endocarditis in drug abuser, 412  
*Neisseria gonorrhoeae*  
  antibiotic resistance, S633  
  infections, treatment, S633  
*Neisseria meningitidis*  
  conjunctivitis, invasive disease, 835  
  meningitis, epidemiology and mortality in Brazil, 128  
  systemic disease, prognosis, 973

- Neisseria subflava*, endocarditis in drug abuser, 412
- Neonatal sepsis (see also under Neonates)
- complement deficiency and neutrophil dysfunction as risk factors, S401
  - granulocyte transfusion, S401
  - immunotherapy, S392
  - introduction to symposium, S391
  - and postpartum maternal endometritis due to *S. pneumoniae*, 799
  - prophylaxis with intravenous immunoglobulin, S443
    - late onset, in low-birth-weight infants, clinical trials, S457, S463
  - streptococcal, group B, intravenous immunoglobulin use, S476
  - S. pneumoniae*, 799
  - symposium, S391-S498
- Neonates
- colony-stimulating factor effects on myeloid kinetics, S498
  - complement deficiency, S401
  - cytomegalovirus infection, S701
  - host defense and colony-stimulating factors, S492
  - immunity to bacterial pathogens, S394
  - immunoglobulin therapy and prophylaxis, S439-S497
    - late sepsis, S457, S463
    - present status, S439
    - respiratory syncytial virus, prophylaxis, S470
    - targeted prophylaxis, S443
  - infections
    - epidemiology, S394
    - E. coli*, S394
    - fibronectin role, S428
    - intestinal viral, epidemiology and prevention, S421
    - intracellular pathogens, S410
    - respiratory syncytial virus, immunoprophylaxis, S470
    - rotaviral, S421
    - streptococcal, group B, S394, S476
    - S. pneumoniae*, 416
    - susceptibility, S394
      - and cytokine production, S410
    - viral, S410, 421
  - neutrophil dysfunction, S401
  - neutrophil function, S492
- Neuroechinococcosis, clinical symptoms, 529
- Neutropenia
- granulocyte-macrophage colony-stimulating factor, clinical use, 41
  - in neonates, role of granulocyte transfusion, S401
- Neutrophils in neonates, S401, S492
- Neuromyelopathies, tropical, and retroviruses, 890
- Neurosyphilis, in human immunodeficiency virus infection, syphilis serology, 703
- Nocardia asteroides*
- endophthalmitis, diagnosis by retinal biopsy, 393
  - susceptibility of clinical isolates, 778
- Nocardia brasiliensis*, susceptibility of clinical isolates, 778
- Nosocomial infection
- bacteremia due to *E. coli*, retrospective study, 1008
  - Xanthomonas maltophilia* (*Pseudomonas maltophilia*), in patients with cancer, 997
- Obstetrics/gynecology
- cytomegalovirus infections in pregnancy, S745
- lactobacilli, in control and maintenance of vaginal microflora, 856
- Streptococcus* group B meningitis, postpartum, 273
- S. pneumoniae*
- endometritis, postpartum, and neonatal sepsis, 799
  - genital tract infections, 416, 1203
- Ocular infections
- fungal, experimental, treatment with fluconazole, S299
  - intravitreal toxicity of fluconazole, S303
- Opsonization, defects in neonates, S401
- Organ transplantation (see under Transplantation)
- Otitis, external
- invasive, due to *Aspergillus*, treatment with itraconazole, 277
  - malignant, treatment with ceftazidime and review of therapy, 173
- Pancreatic abscess, postoperative, due to *P. shigelloides*, 813
- Pancytopenia, with hepatosplenomegaly and fever, infectious disease rounds, 636
- Papillomavirus, human
- type 33, rectal ulcer in AIDS patient, isotretinoin treatment, 1004
  - warts, treatment, S620
- Parainfluenza virus, in secondary bacterial tracheitis, 729
- Parotitis, acute bacterial, 591
- Pasteurella multocida* meningitis in adult, 440
- Pancytopenia, granulocyte-macrophage colony-stimulating factor, clinical use, 41
- Parathyroid hormone, in toxic shock syndrome, 736
- Pediatrics
- AIDS, cytomegalovirus infection, S820
  - cytomegalovirus infection, perinatal, S693, S745
  - diarrhea
    - acute, treatment with bismuth subsalicylate, S51
    - antibiotic use, 12
    - chronic, effects of bismuth subsalicylate and cholestyramine, S36
    - in day care centers, S41
  - enterobacter bacteremia, 808
  - human immunodeficiency virus infection, evaluation of antiretroviral agents, S561
  - neonatal sepsis (see Neonatal sepsis)
  - neonates (see Neonates)
  - respiratory infections, acute (see Acute respiratory infections)
  - sexual abuse, and sexually transmitted diseases, detection and management, S682
  - streptococcal infection, group C  $\beta$ -hemolytic, 360, 367
- Pelvic inflammatory disease, treatment options, S656
- Penicillin(s)
- for endocarditis due to relatively resistant streptococci, 112
  - resistance in *S. pneumoniae* meningitis in adults, 118
- Pentamidine, and extrapulmonary *P. carinii* infections, 380, 1127
- Peptic ulcer, bismuth subsalicylate treatment, S115
- Pepto-Bismol (see Bismuth subsalicylate)
- Perinatal infections (see Neonates)
- Peritonitis
- due to *Curvularia* species, and *T. beigellii*, 621
  - due to *K. ascorbata*, 399
- Phagocytosis, defects in neonates, S401
- Pharmacokinetics
- of amphotericin B, 308

- of fluconazole in humans, S318
- Phthirus pubis*, infestation of scalp, 560
- Piperacillin, *B. fragilis* susceptibility, S142
- Plague, history of obligation to treat, 191
- Plasmodium falciparum* malaria, treatment, 1100
- Plesiomonas shigelloides*, pancreatic abscess, postoperative, 813
- Plesiomonas* species, bismuth subsalicylate activity in vitro, S11
- Pneumococci, vaccine and nonvaccine serotypes in recent infections, 267
- Pneumocystis carinii*, extrapulmonary infections, 380, 1127
- Pneumonia (see also Acute respiratory tract infection; specific pathogen)
  - atypical, etiology, 745
  - cytomegalovirus (see under Cytomegalovirus)
  - etiology (see under Acute respiratory tract infection)
  - K. pneumoniae*, 672
  - L. micdadei*, in bone marrow transplantation, 824
  - mycoplasma, classic article, 354
  - varicella, early treatment with acyclovir, 788
- Pneumothorax, spontaneous, and pulmonary mycetoma in acute leukemia, 611
- Polioomyelitis, calculation of incubation, 547
- Pregnancy, cytomegalovirus infections, S745
- Prisons, geriatric inmates, infections, 683
- Prophylaxis (see also specific infection; patient group)
  - in bone marrow transplantation, antifungal, S374
  - fluconazole
    - candidiasis, oropharyngeal, S369
    - for endocarditis, experimental candidal, S294
  - in surgery, antibiotic use, 12
- Prothrombin, effects of antibiotics, 1109
- Prototheca wickerhamii*, sclerosing cholangitis, treatment with antifungal agents, 802
- Protothecosis, visceral, antifungal therapy, 802
- Protozoal infections, *Ballantidium coli* typhilitis in lowland gorillas, 1052
- Pseudallescheria boydii*
  - endocarditis, native valve, in AIDS patient, 993
  - persistent neutrophilic meningitis, 959
- Pseudomonas aeruginosa*
  - bacteremia, characteristics, 718
  - bismuth subsalicylate activity in vitro, S9
  - endocarditis, left-sided, 693
  - lung abscess, treatment with oral ciprofloxacin, 757
- Pseudomonas maltophilia* (see *Xanthomonas maltophilia*)
- Pseudomonas pseudomallei*, in chronic pulmonary melioidosis, 966
- Psoas muscle abscess, due to *M. tuberculosis*, in human immunodeficiency infection, 754
- Public health, and tropical medicine, Heath Clark Lectures, 142
- Pulmonary infection(s)
  - cytomegalovirus pathogenicity, S711
  - with *M. kansasii*, 760
  - opportunistic, and CD4 lymphocyte counts, 561
- Pyelonephritis, and *Corynebacterium* group D2 infection, 1019
- Pyomyositis, group B streptococcal, 784
- Quinolones, for salmonella infections, 873
- Rectal ulcer, papillomavirus type 33-associated, in AIDS patient, treatment with isotretinoin, 1004
- Renal failure
  - in sulfadiazine treatment of toxoplasmic encephalitis, 618
  - due to human immunodeficiency virus infection, 282
- Renal insufficiency, antibiotic adverse effects, 236
- Renal transplantation (see also under Transplantation)
  - S. stercalis* opportunistic infections, 653
- Resistance (see also specific organism)
  - host, humoral factors and *B. fragilis* group, S161
- Respiratory syncytial virus
  - in acute respiratory tract infection in children, S870
  - infections in neonate, immunoprophylaxis, S470
- Respiratory infections (see also Acute respiratory infection; Pneumonia; specific infection)
  - acute, viral and nonviral, in Spain, 745
  - antibiotic use, 12
- Retinitis
  - cytomegalovirus, treatment with ganciclovir, S849
  - and human immunodeficiency virus, 557
  - approach to therapy, S811
- Retroviruses (see also specific virus)
  - agents active against, testing, 908
  - associated disorders, 890
  - classification, pathogenicity, and endemicity, 890
  - new drugs against, characteristics and development, 944
  - and tropical neuropathies, 890
- Rhabdomyolysis, due to acute human immunodeficiency virus infection, 282
- Rheumatoid arthritis, possible viral etiology, 204
- Ribavirin, mechanism of action, 1139
- Rifampin, plus amphotericin B for aspergillosis, 1175
- Rickettsia and rickettsial disease, in China, 562
- RNA viruses (see also specific virus)
  - clinical use of ribavirin, 1139
- Rodent, as host of hantaviruses, 449
- Ross, Sir Ronald, and tropical medicine, 142
- Rotavirus, infections in neonates, S421
- Saccharomyces cerevisiae*, invasive disease, 406
- Salmonella*
  - bacteremia, complicated by endocarditis, 817
  - bismuth subsalicylate activity in vitro, S11
  - endocarditis, treatment with third-generation cephalosporin, 817
  - quinolones for infections, 873
  - species, meningitis, epidemiology and mortality in Brazil, 128
- Salmonella arizonae*, bacteremia as initial AIDS manifestation, 514
- Scalp, phthiriasis, 560
- Sepsis, neonatal (see Neonatal sepsis)
- Septicemia, due to *N. meningitidis*, prognosis, 673
- Serratia*, bacteremia, prognostic factors, 563
- Sexual assault, and sexually transmitted diseases, S682
- Sexually transmitted diseases
  - chancroid treatment, S580
  - C. trachomatis* infections, treatment, S645
  - diagnostic testing issues, S577
  - genital herpes, treatment, S610
  - gonococcal infections, treatment, S633
  - impact of human immunodeficiency virus infection, S577
  - papillomavirus, human, treatment, S620
  - in rape victims, 159
  - and sexual assault, detection and management, S682
  - syphilis treatment, S590

- treatment guidelines, 1989, Division of Sexually Transmitted Diseases and HIV Prevention, Centers for Disease Control, S577-S690
- vaginitis/vaginitis, treatment, S665
- Shigella sonnei*, bismuth subsalicylate activity in vitro, S11
- Sialadenitis, acute bacterial, S91
- Skeletal infections, due to *C. neoformans*, 181
- Sodium salicylate, antibacterial activity in vitro, S9
- Spinal infection, intramedullary tuberculomas, 432
- Staphylococcus aureus*
- with *C. neoformans* in epidural abscess in AIDS, 964
  - glomerulonephritis, treatment with corticosteroids, 125
  - tracheitis, 729
- Staphylococcus epidermidis*, bacteremia, features, 520
- STDs (see Sexually transmitted diseases)
- Streptococci
- group A
    - bacteremia, presentations and classification, 537
    - severe disease without bacteremia, 1204
  - group B
    - host defenses, S394
    - intravenous immunoglobulin therapy and prophylaxis in neonates, S476, S483
    - meningitis in adults, 273
    - in neonates, S394, S476, S483
    - pyomyositis in diabetic patient, 784
  - group C
    - arthritis, 829
  - $\beta$ -hemolytic, 366, 367
    - meningitis in adults, 157
  - nonenterococcal, endocarditis, treatment with penicillin, 112
- Streptococcus pneumoniae*
- endometritis, 799
  - female genital tract infections, 416, 1203
  - meningitis
    - in adults, penicillin resistance, 118
    - epidemiology and mortality in Brazil, 128
  - neonatal infections, 416
  - sepsis and postpartum maternal endometritis, 799
  - vaccine and nonvaccine serotypes in recent infections, 267
  - visceral leishmaniasis, 518
- Streptococcus griseus*, susceptibility of clinical isolates, 778
- Strongyloides stercoralis*, opportunistic infections in renal transplantation, 653
- Sulfadiazine, for toxoplasmic encephalitis, 618
- Susceptibility testing (see Antimicrobial susceptibility)
- Syphilis
- ceftriaxone treatment, 565
  - diagnosis, S590
  - and human immunodeficiency virus infection, S590
  - neurosyphilis, S590
  - serology in human immunodeficiency infection, 703
  - treatment guidelines, S590
- Toxic shock syndrome, hypercalcitonemia and hypocalcemia, 736
- Toxoplasma*, neonatal infections, S410
- Tracheitis, bacterial, 729
- Transfusion
- blood, cytomegalovirus infection following, S701
  - exchange, in treatment of falciparum malaria, 1100
- Transplantation
- aspergillosis, 1147
  - bone marrow
    - acyclovir prophylaxis against cytomegalovirus infection, S449
    - antifungal prophylaxis, S374
    - aspergillosis, 11478
    - catheter-related right-sided endocarditis, 250
    - cytomegalovirus infection, S776, S793
    - cytomegalovirus pneumonia, S776, S805
    - cytomegalovirus pneumonitis, mechanism, S711
    - immunoglobulin prophylaxis against cytomegalovirus infections, S839
    - L. micdadei* pneumonia, 824
  - cardiac, listerial myocarditis, 820
  - cytomegalovirus infection, S693
    - antigenemia, tests, S737
    - in bone marrow recipients (see above)
    - and graft rejection, S711
    - immunoglobulin prophylaxis and treatment in transplant recipients, S839
    - after liver transplantation, prevention and modification, S767
    - in organ transplantation, S701, S754, S839
    - renal, prophylaxis with hyperimmune globulin, S839
    - renal, prophylaxis with acyclovir, S949
    - renal, vaccination (Towne vaccine) for prevention, S827
  - Travelers' diarrhea (see under Diarrhea)
  - Treponema pallidum*, diagnosis and treatment of infection, S590
  - Trichinella spiralis*, epidemiology of infection, 5
  - Trichinosis, incidence and transmission in United States, 5
  - Trichosporon beigelii*, peritonitis, 621
  - Tropical medicine, and tropical health, Heath Clark Lectures, 142
  - Tuberculosis
    - extrapulmonary, in human immunodeficiency virus infection, 754
    - miliary, 583
    - of spinal cord, intramedullary, 432
  - Typhlitis, *Balantidium coli*, in lowland gorillas, 1052
- Ultrasound, for diagnosis of amebic liver abscess, 330
- Urinary tract infection
- antibiotic use, 12
  - Corynebacterium* group D2, 1019
  - fungal, experimental, treatment with fluconazole, S299
  - uncomplicated, short-term treatment, 458
  - viral, S995
- Vaccine(s)
- cytomegalovirus, S827
    - cost effectiveness, 31
    - for renal transplant recipients, S827
  - hepatitis B, immunogenicity, intradermal vs. intramuscular administration, 1035
  - pneumococcal, serotypes and recent infections, 354
  - for travelers' diarrhea, S59
  - viral, complications, 204
- Vaginal microflora, role of lactobacilli in maintenance, 856
- Vaginitis/vaginitis, treatment, S665

- Vancomycin, resistance in *Leuconostoc* species, 602
- Varicella, pneumonia, early treatment with acyclovir, 788
- Venous catheters, in bone marrow transplantation, and right-sided endocarditis, 250
- Vibrio cholerae*, enterotoxins, bismuth subsalicylate effects on fluid accumulation, animal models, S16
- Vidarabine, for cytomegaloviral disease, S849
- Viral infection (*see also specific virus*)
- and autoimmunity, 204, 1202
  - of endothelial cells, 367
  - RNA, clinical use of ribavirin, 1139
  - in transplantation, immunoglobulin prophylaxis, S839
- Vitamin K, effects of antibiotics, 1109
- Warts, genital, due to papillomavirus, management, S620
- Xanthomonas maltophilia* (*Pseudomonas maltophilia*), infections in cancer patients and susceptibility of isolates, 997
- Zidovudine (AZT)
- with dideoxycytidine, 944
  - hematologic toxicity, S500
  - intolerance to, in AIDS and ARC, S500
  - use with granulocyte-macrophage colony-stimulating factor, 931
  - myopathy as adverse reaction, S500
  - for progressive multifocal leukoencephalopathy in human immunodeficiency infection, 479
  - resistance of human immunodeficiency virus, S507, 908